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				JUIU NEC U F	C1/F10 20 2011 2000						
REV. 2/0		u.s. departmen MITTAL LI	CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER								
-			03438.0116								
				ED OFFICE (DO/EO/US)	LIS APPLICATION NO						
	CON	CERNING A	A FILII	NG UNDER 35 U.S.C. 371	(If known, see 37CFR1.5)						
					(If known, see 37CFR1.5) 10 540114						
		L APPLICATIO	N NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED						
PCT/NO2003/000431				December 19, 2003	December 20, 2002						
TITLE	OF INVI	ENTION: IN SI	TU SAM	IPLING AND MONITORING A FLUI	D						
APPLI and 4	CANTS I Lawrei	FOR DO/EO/U nce L. TANKI	JS: 1) Sø ERSLEY	olve J. FJERDINGSTAD, 2) John R Y	EINTJES, 3) John E. TUCKER,						
Applica	ints herewi	th submit to the L	Inited Stat	es Designated/Elected Office (DO/EO/US) th	e following items and other information:						
1.	$\boxtimes$	This is a FIRST submission of items concerning a filing under 35 U.S.C 371.									
2.		This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.									
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4.	$\boxtimes$		The US has been elected by the expiration of 19 months from the priority date (Article 31).								
5.	$\boxtimes$		A copy of the International Application as filed (35 U.S.C. 371 (c)(2)).								
		a. 🛛	is atta	ched hereto (required only if not communicat	ed by the International Bureau.						
		b. 🛛		en communicated by the International Bureau							
		c. 🗆	is not	required, as the application was filed with the	United States Receiving Office (RO/US).						
6.		An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).									
•		a. 🗆		ched hereto.	(-)(-),						
1		b. 🗆	has be	en previously submitted under 35 U.S.C. 154	(d)(4).						
7.	$\boxtimes$	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).									
		a. 🗆		ached hereto (required only if not communica							
		b.  have been communicated by the International Bureau.									
		с. 🗆		not been made; however, the time limit for ma							
		d. 🛛		not been made and will not be made.	such amenaments has 1101 expired.						
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).									
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).									
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).									
Items 1	1 to 20 be	low concern docu	ıment(s) o	or information included:							
11.		Information Dis	closure St	atement under 37 CFR 1.97 and 1.98							
12.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.									
13.		A FIRST prelim	A FIRST preliminary amendment.								
14.		A SECOND or SUBSEQUENT preliminary amendment.									
15.		A Substitute spe									
16.		A change of power of attorney and/or address letter.									
17.			A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.								
18.		A second copy of the published international application under 35 U.S.C. 154 (d)(4).									
19.		A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).									
20.	$\boxtimes$	Other items or information:									
		a 🖾		of cover page of International Publication No.	WO 2004/057306 A1						
		b. 🗆		of Notification of Missing Requirements							

## JC17 Rec'd PCT/PTO 2 0 JUN 2005

U.S. APPLICATION N	(If khopen,	gee PACFR 1.5 A	INTERNATIONAL APPI	LICATION NO.		ATTORNEY'S D	OCKET				
1	NUMBER 03438.0116										
21. 🛛 The follo	Applicant Use	Office Use Only									
BASIC NATIONA	\$300.00	\$300.00									
National Stage Sea	\$500.00	\$500.00									
National Stage Exa	\$200.00										
	\$1000.00										
Additional fee listing or compadditional 50 s											
Total Sheets Extra Sheets			Number of additional 50 or fraction Rate thereof (rounded up to a whole number								
13 - 100 = 0/50=		x 250.00		\$							
			or declaration later than (37 CFR 1.492 (e)).	□ 20	□ 30	\$					
CLAIMS	TE										
Total Claims	18	BER FILED	NUMBER EXTRA	x \$50	<del></del>	\$	<del></del>				
Independent Claims	2	-3 =	0	x \$20		\$					
MULTIPLE DEP	ENDENT (	CLAIMS (if applica	ble)	+\$36	0.00	\$ 360.00	1				
	CULATIONS =	\$1360.00									
☐ Applicant claim	ıs small en	tity status. See 3	7 CFR 1.27. The fees in	dicated above are	reduced by 1/2.	\$680.00					
	SUBTOTAL =	\$680.00									
Processing fee of \$ months from the ea	\$										
	TONAL FEE =	\$680.00									
Fee for recording to an appropriate coverage of the coverage o	\$										
	ENCLOSED =	\$680.00									
				, <u>,</u>	***	Amount to be refunded:	\$				
						charged:	\$				
			00 to cover the above f								
	Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.										
c. 🛭 The Co Deposi	•										
d. 🗆 Fees ar	e to be ch	arged to a credit o	ard. WARNING: Infor	mation on this for	m mav become p	ublic. Credit ca	rd				
intorm	ation sho	uld not be includ	led on this form. Provide	de credit card info	rmation and author	orization on PTC	)-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.											
SEND ALL CORRESPONDENCE TO:											
Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.											
901 New York Avenue, NW SIGNATURE											
Washington, D.C EFC/FPD/sci											
DATED: June 20, 2005  NAME/REGISTRATION NO.											